

AMENDMENTS

Listing of Claims

The following listing of claims replaces all previous listings or versions thereof:

45. (Previously presented) An isolated sentrin- specific protease (SEN^P) polypeptide comprising the amino acid sequence PIH^L/_RXVHW wherein X is a glycine, lysine or glutamic acid.
46. (Previously presented) The isolated polypeptide of claim 45, comprising at least 25 contiguous amino acid residues of SEQ ID NO: 2, SEQ ID NO: 8, or SEQ ID NO: 10.
47. (Previously presented) The isolated polypeptide of claim 45, comprising at least 50 contiguous amino acid residues of SEQ ID NO: 2, SEQ ID NO: 8, or SEQ ID NO: 10.
48. (Previously presented) The isolated polypeptide of claim 45, comprising at least 100 contiguous amino acid residues of SEQ ID NO: 2, SEQ ID NO: 8, or SEQ ID NO: 10.
49. (Previously presented) The isolated polypeptide of claim 45, comprising at least 150 contiguous amino acid residues of SEQ ID NO: 2, SEQ ID NO: 8, or SEQ ID NO: 10.
50. (Previously presented) The isolated polypeptide of claim 45, comprising at least 200 contiguous amino acid residues of SEQ ID NO: 2, SEQ ID NO: 8, or SEQ ID NO: 10.
51. (Previously presented) The isolated polypeptide of claim 48, further comprising amino acid residues 400 to 509 of SEQ ID NO: 8.
52. (Previously presented) The isolated polypeptide of claim 48, further comprising amino acid residues 535 to 643 of SEQ ID NO: 2.
53. (Previously presented) The isolated polypeptide of claim 48, further comprising amino acid residues 461 to 568 of SEQ ID NO: 10.

54. (Previously presented) The isolated polypeptide of claim 45, comprising SEQ ID NO: 2, SEQ ID NO: 8, or SEQ ID NO: 10.
55. (Previously presented) An isolated polypeptide comprising a sentrin-specific protease SENP1.
56. (Previously presented) The isolated SENP1 polypeptide of claim 55, comprising at least 25 contiguous amino acids of SEQ ID NO: 2.
57. (Previously presented) The isolated polypeptide of claim 55, comprising at least 50 contiguous amino acids of SEQ ID NO: 2.
58. (Previously presented) The isolated polypeptide of claim 55, comprising at least 100 contiguous amino acids of SEQ ID NO: 2.
59. (Previously presented) The isolated polypeptide of claim 55, comprising at least 150 contiguous amino acids of SEQ ID NO: 2.
60. (Previously presented) The isolated polypeptide of claim 55, comprising at least 200 contiguous amino acids of SEQ ID NO: 2.
61. (Previously presented) The isolated polypeptide of claim 58, comprising amino acid residues 535 to 643 of SENP1.
62. (Previously presented) The isolated polypeptide of claim 58, comprising amino acid residues 527 to 643 of SENP1.
63. (Previously presented) The isolated polypeptide of claim 55, wherein the SENP1 polypeptide comprises SEQ ID NO: 2.
64. (Cancelled)
65. (Cancelled)